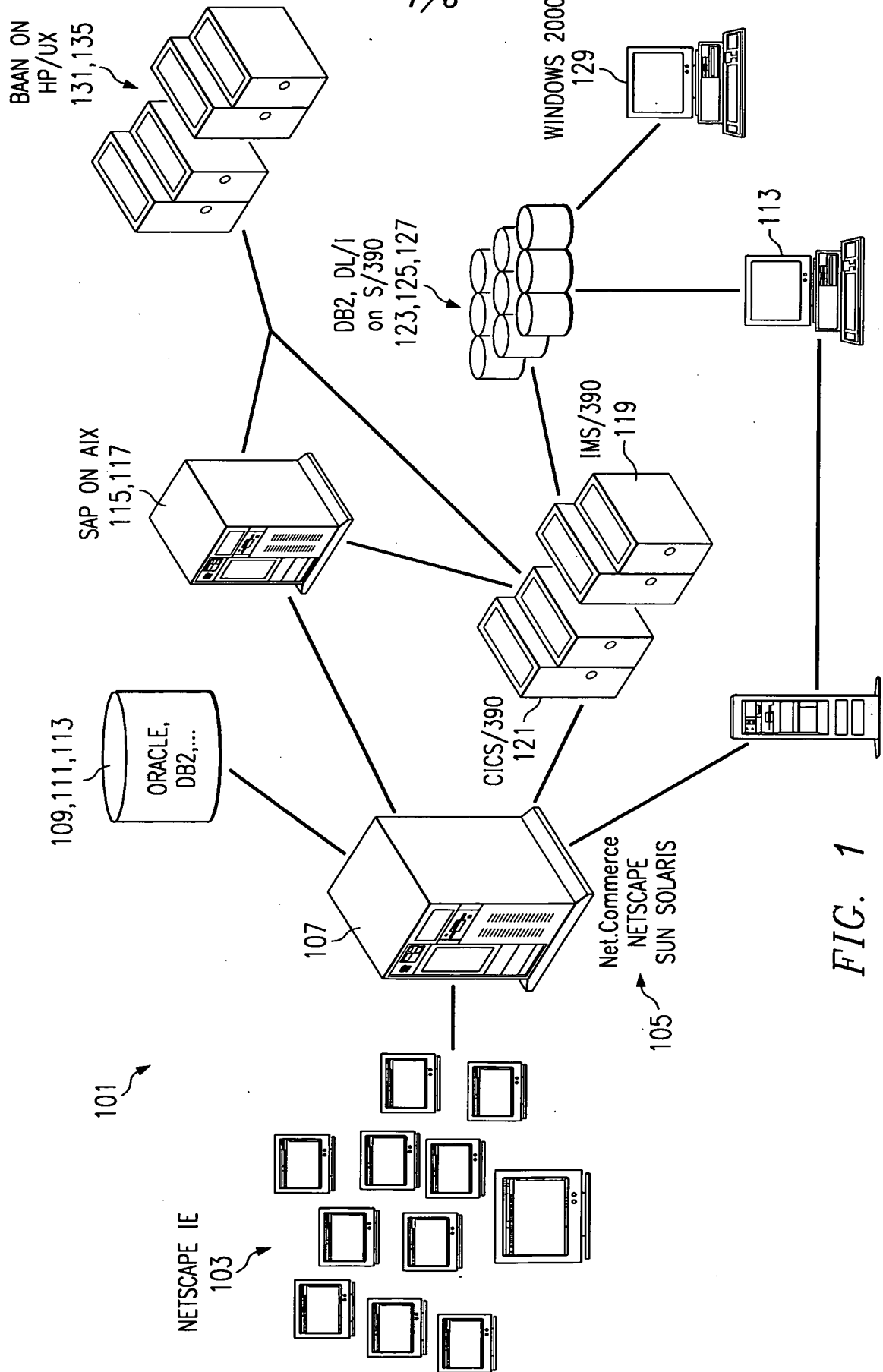


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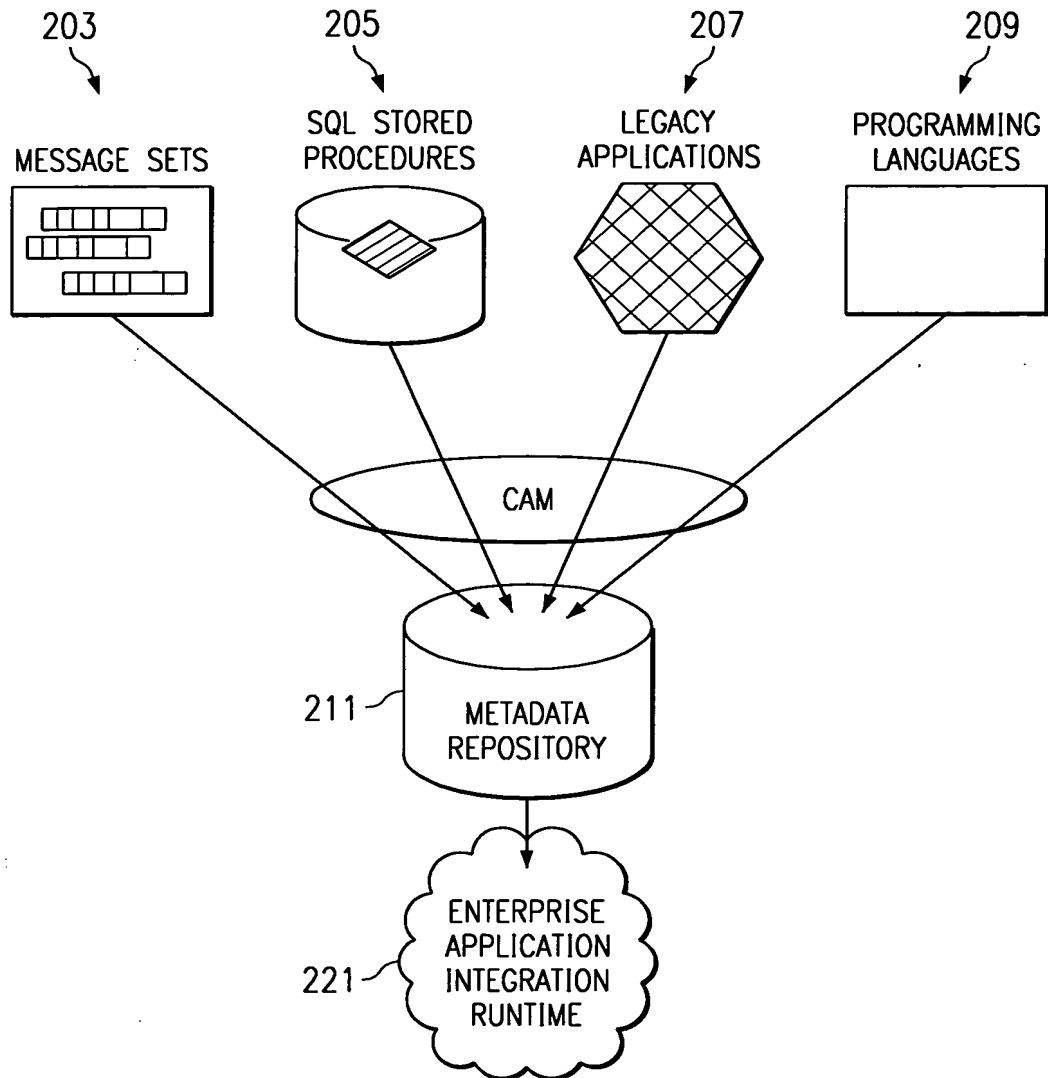


FIG. 2

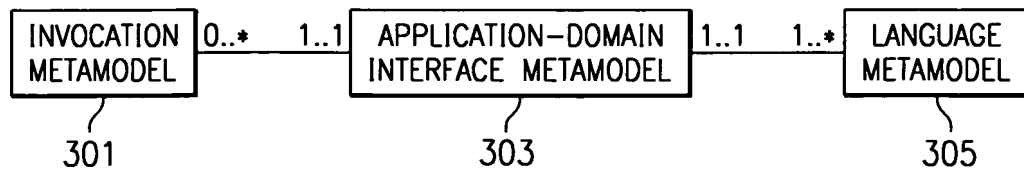
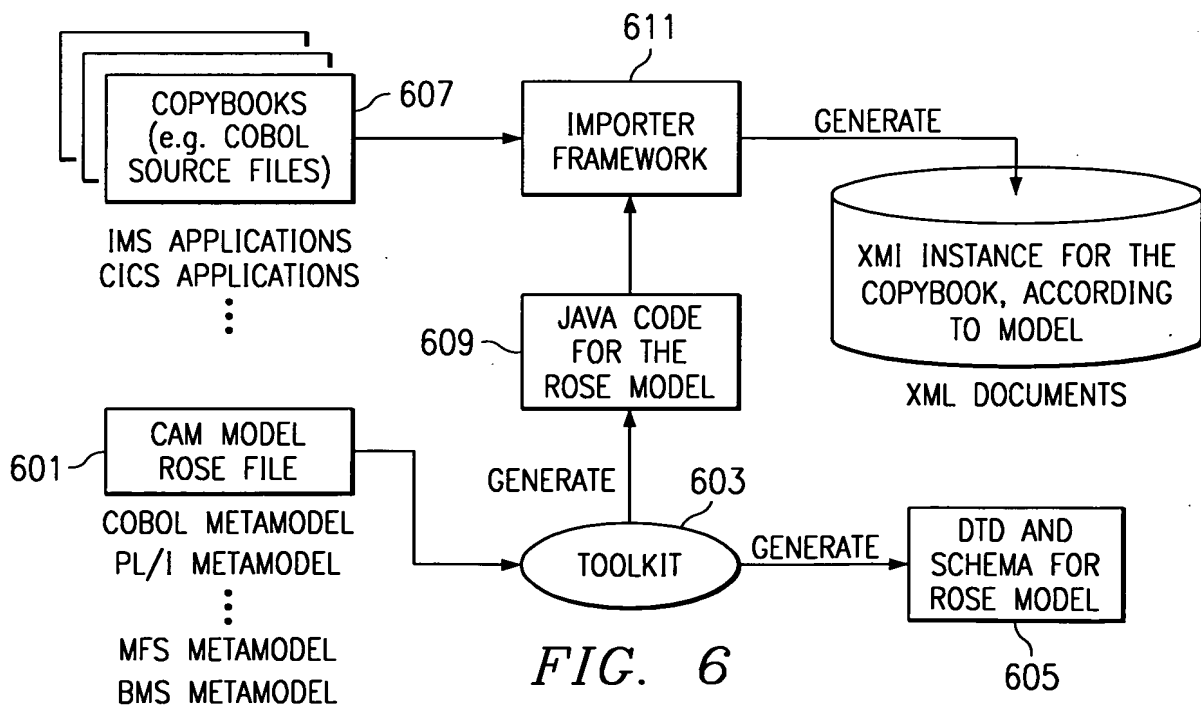
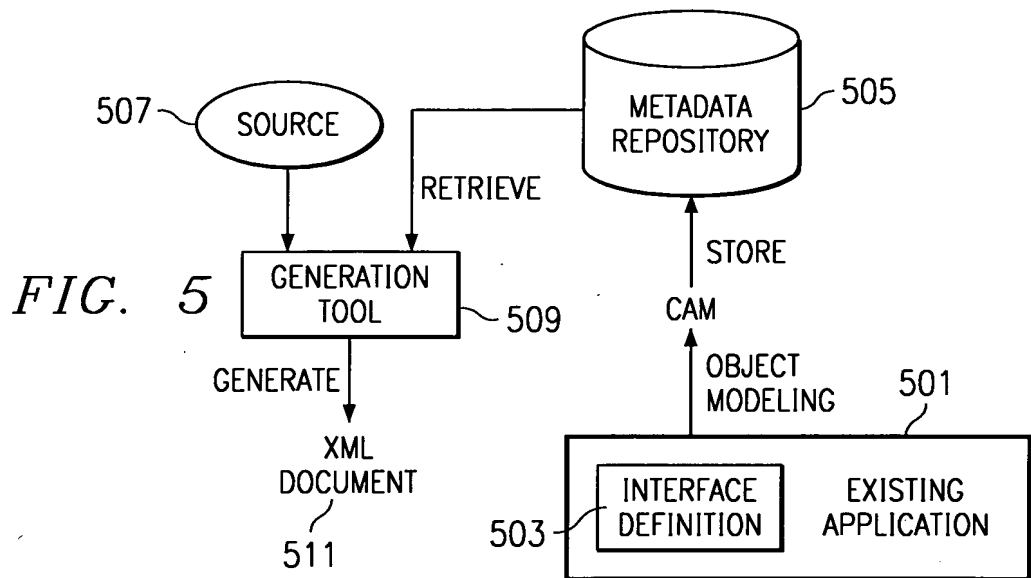
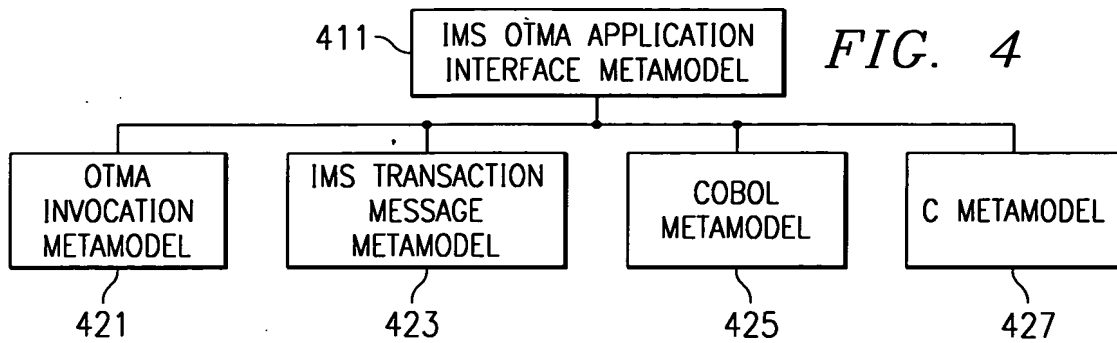
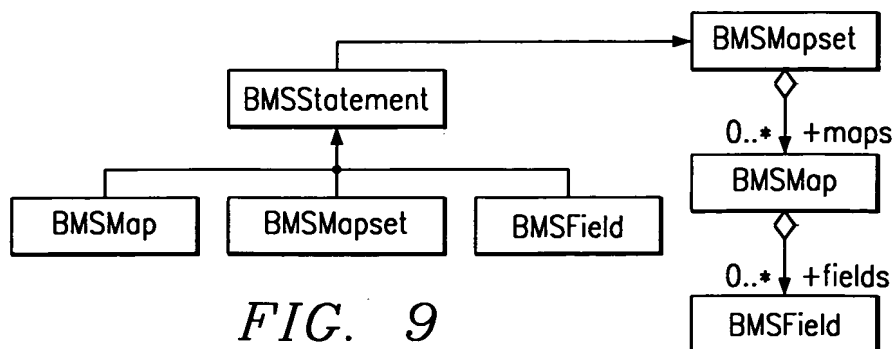
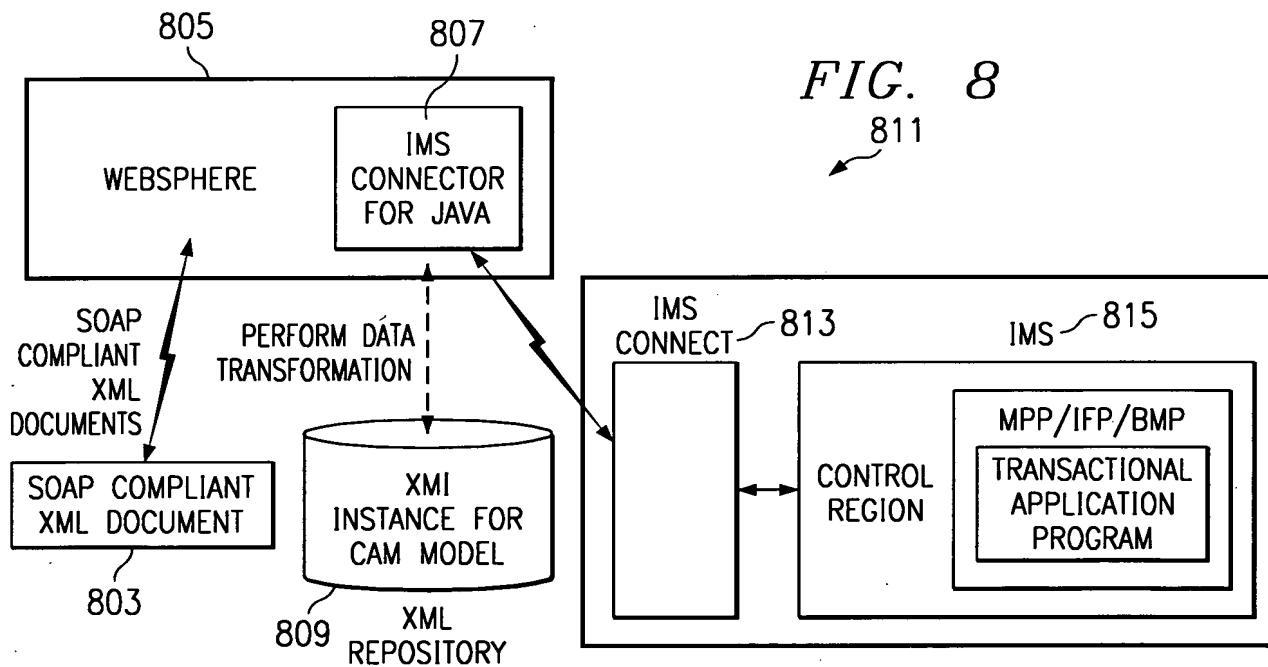
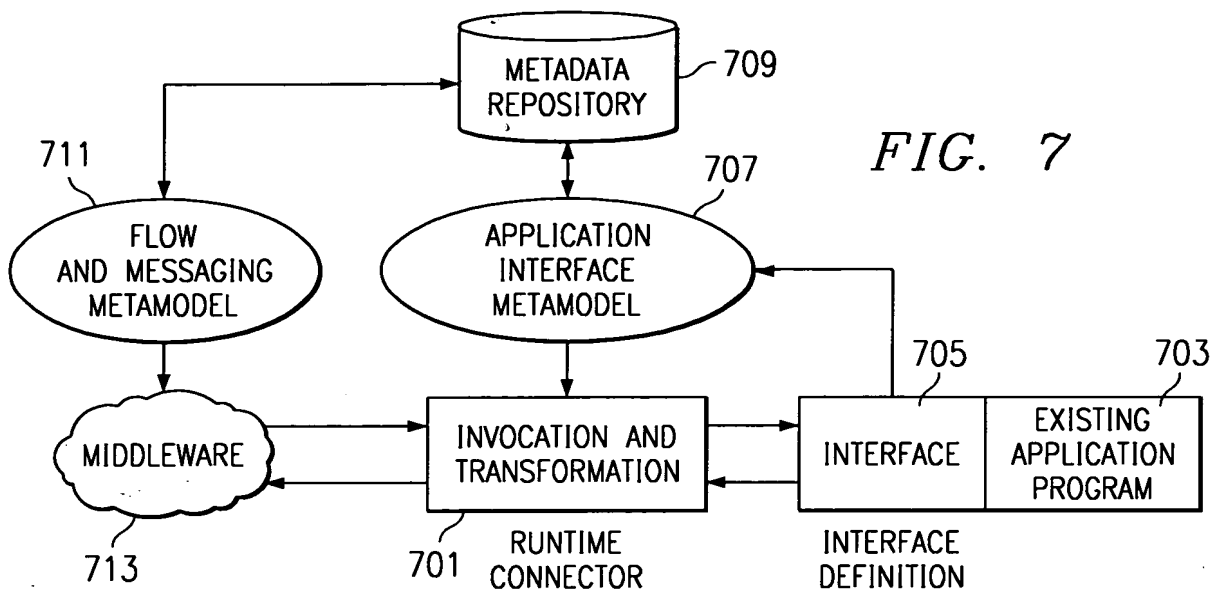


FIG. 3

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BMSMapset	BMSMap	BMSField
base : String color : BMSColorType control : BMSControlType cursorLocation : boolean data : BMSDataType descriptionAttributes : BMSMapAttributesType extendedAttributes : BMSExtendedAttributesType fieldSeparator : String fold : BMSFoldType highlighting : BMSHighlightingType horizontalTabs : int language : BMSLanguageType logicalDeviceCode : int mapAttributes : BMSMapAttributesType mode : BMSModeType onboardFormatting : boolean outlining : BMSOutliningType partition : String programmedSymbol : String shiftOutShiftIn : boolean storage : boolean suffix : String terminal : String tioaPrefix : boolean transparent : boolean trigraph : boolean type : BMSMapsetType validation : BMSValidationType verticalTabs : int	column : String color : BMSColorType control : BMSControlType cursorLocation : boolean data : BMSDataType descriptionAttributes : BMSMapAttributesType extendedAttributes : BMSExtendedAttributesType fields : boolean fieldSeparator : String header : boolean highlighting : BMSHighlightingType justify : BMSJustifyType line : String mapAttributes : BMSMapAttributesType onboardFormatting : boolean outlining : BMSOutliningType partition : String programmedSymbol : String shiftOutShiftIn : boolean size : BMSSizeType terminal : String tioaPrefix : boolean trailer : boolean transparent : boolean validation : BMSValidationType	attributes : BMSAttributesType case : boolean color : BMSColorType group : String highlighting : BMSHighlightingType initialValue : String justify : BMSJustifyType length : int occurs : int outlining : BMSOutliningType pictureInput : String pictureOutput : String position : BMSPositionType programmedSymbol : String shiftOutShiftIn : String transparent : boolean validation : BMSValidationType

FIG. 10A

BMSAttributesType	skip : boolean bright : boolean detectable : boolean dark : boolean modified : boolean cursor : boolean normal : boolean numeric : boolean protected : boolean
<<enumeration>> BMSColorType	default blue red green pink turquoise yellow neutral
<<enumeration>> BMSCControlType	print length freekb alarm frset
<<enumeration>> BMSSizeType	dsect map final
BMSMapAttributesType	color : boolean highlighting : boolean outline : boolean programmedSymbol : boolean sosi : boolean transparent : boolean validation : boolean
<<enumeration>> BMSData Type	field block
<<enumeration>> BMSExtendedAttributesType	no yes maponly
<<enumeration>> BMSStatement	label : String comments : String
<<enumeration>> BMSFoldType	lower upper
<<enumeration>> BMSLanguageType	assembler c cobol cobol2 pli
<<enumeration>> BMSValidationType	mustFill mustEnter trigger userExit
<<enumeration>> BMSJustifyType	left : boolean right : boolean first : boolean last : boolean bottom : boolean
<<enumeration>> BMSHighlightingType	off blink reverse underline
<<enumeration>> BMSOutliningType	box : boolean left : boolean right : boolean over : boolean under : boolean
<<enumeration>> BMSModelType	out in inout
<<enumeration>> BMSPositionType	line : int column : int number : int
BMSSizeType	line : int column : int

FIG. 10B